



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4001	DISPATCH DATE				06.09.2014
2.	Railway	NR	Type	LWFCZAC	Coach No.	143880	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	39.00 T					
5.	Carrying Capacity	Seating	56	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
	6.1	Leading Dimensions:					
	i)	Maximum length over Body	23700+10/-0 mm				
	ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)				
	iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)				
	iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm	1105	1105		
	v)	Buffer/CBC (Make )	ESCORTS	Fiba Device	NA		
7.	Air Brake Testing:		Description	Specified	Observed		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 -10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	87/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	FAVELLY				
	iii.	CDTS	AMIT				
	iv.	FLOOR,SEAT & BERTH,PVC	TAYAL,SATLEJ,RESPONSIVE				
	v.	BODY SIDE DOORS	JBM				
	vi.	SALOON COMPTT DOORS	KALSI				
	vii.	VESTIBULE SLIDING DOOR	JBM				
	viii.	WATER TANKS	AMIT &EC BLADE				
	ix	UIC VESTIBULE	KRP				
	x	LUGGAGE RACK,LP PANNEL	HANSPAL,KAE				
10.							
	10.1	Modification / Trail (if any):	NIL				
	10.2	Deviations if any:	NIL				



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			4001		NR		LWFCZAC		143880		16-05-14	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	146426						146427			
	ii.	<b>Frame No.</b>	FIAT-2589						FIAT-2878			
	iii.	<b>Bolster No.</b>	061-HEI						023-HEI			
	iv.	<b>Axle No.</b>	RWF-109240			RWF-109581			W-4560		T-4551	
	v.	<b>Wheel Dia.</b>	915.00	915.50	915.00	915.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	<b>Wheel Disc No.</b>	084-63305	181-62314	282-63307	070-63301	028-63307	237-63307	169-63309	045-63302	63309	63302
	vii.	<b>R.B. Nos.</b>	91588	91566	08876	91782	12400	12551	91581	91407	91581	91407
	viii.	<b>R.B. Make</b>	SKF			SKF			SKF		SKF	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>			
i.	<b>Make &amp; nos.</b>	CMGBD-10-12-51425-199	CMGBS-12-5-55338-98	CMGBD-10-12-51425-174	CMGBS-12-5-55338-171	CMGBD-10-12-51425-213	CMGBS-12-5-55338-92	CMGBD-10-12-51425-30	CMGBS-12-5-55338-77			
ii.	<b>Ht. attest load</b>	512	466	512	464	507	465	512	467			
iii.	<b>Align .deviation</b>	18	21	20	18	22	29	22	24			
12.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			HZ			HZ			HZ	
	ii.	Primary inner Spring			HZ			HZ			HZ	
	iii.	Primary Damper									SACHS	
	iv.	Secondary damper									SACHS	
	v.	Lateral Damper									SACHS	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									FTI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									SGA	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									SGA	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
12.4	i.	<b>Modification / Trial (if any):</b>					NIL					
	ii.	<b>Deviations (if any):</b>					NIL					

LWFCZAC-4001